



R9BP mouse mAb

Catalog No	YP-mAb-11529
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RGS9BP R9AP
Immunogen	Synthesized peptide derived from human R9BP AA range: 138-188
Specificity	This antibody detects endogenous levels of R9BP at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	R9AP;Regulator of G-protein signaling 9-binding protein;RGS9-anchoring protein;R9BP;RGS9BP R9AP
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Membrane ; Single-pass type IV membrane protein .
Tissue Specificity	
Function	disease:Defects in RGS9BP are a cause of prolonged electroretinal response suppression (PERRS) [MIM:608415]; also known as bradyopsia. PERRS is characterized by difficulty adjusting to sudden changes in luminance levels mediated by cones.,function:Regulator of G protein-coupled receptor (GPCR) signaling in phototransduction. Participates to the recovery phase of visual transduction via its interaction with RGS9-1 isoform. Acts as a membrane-anchor that mediates the targeting of RGS9-1 to the photoreceptor outer segment, where phototransduction takes place. Enhances the ability of RGS9-1 to stimulate G protein GTPase activity, allowing the visual signal to be terminated on the physiologically time scale. It also controls the proteolytic stability of RGS9-1, probably by protecting it from degradation.,similarity:Belongs to the RGS7BP/RGS9BP family.,subunit:Specifically interacts



with isofo

Background

The protein encoded by this gene functions as a regulator of G protein-coupled receptor signaling in phototransduction. Studies in bovine and mouse show that this gene is expressed only in the retina, and is localized in the rod outer segment membranes. This protein is associated with a heterotetrameric complex, specifically interacting with the regulator of G-protein signaling 9, and appears to function as the membrane anchor for the other largely soluble interacting partners. Mutations in this gene are associated with prolonged electroretinal response suppression (PERRS), also known as bradyopsia. [provided by RefSeq, Mar 2010],

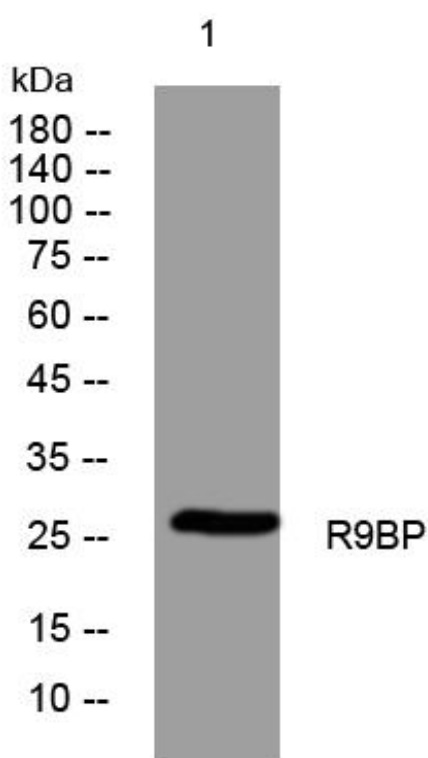
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using R9BP mouse mAb